

ABSTRACT OF THE DISCLOSURE

A card type device is mounted on a card slot of an electronic appliance. In the card type device, a transparent cylindrical-shaped roller is provided at an edge portion of a housing in such a manner that an outer peripheral plane of this roller is projected from the edge portion. Also, a one-dimensional image sensor is provided inside the roller, while the one-dimensional image sensor acquires one-dimensional fingerprint data of a finger of a user, and this finger abuts against the outer peripheral plane of the roller. Since the finger a butting against the outer peripheral plane of the roller is moved, this roller is rotated, so that one-dimensional fingerprint data which are continuously acquired by the one-dimensional image sensor are synthesized with each other to produce fingerprint data as a two-dimensional image. The synthesized fingerprint data is transmitted to the electronic appliance, and then fingerprint identification is carried out by the electronic appliance.

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